

MEMORANDUM

TO: K. Kelly Morris, Glen Cove Industrial Development Agency

FROM: Frank DeVita, Dvirka and Bartilucci Consulting Engineers

DATE: January 5, 2010

SUBJECT: Doxey Site, Budgetary Remedial Construction Cost Estimate

As requested, we have prepared a budgetary remedial construction cost estimate for the Doxey Site (Site) consistent with available Site information, as well as, information obtained from pre-design investigation activities conducted at the Site in November 2010. The following provides a list of assumptions used in the preparation of the budgetary remedial construction cost estimate:

- Recent inspections conducted at the Site identified significant amounts of debris/machinery/equipment stored on-Site (e.g., salvaged vehicles, tires, diesel engines, construction equipment, construction trailer, truck scale, etc.) which would need to be removed prior to the onset of remedial construction activities. Costs associated with the removal of all existing debris/machinery/equipment currently stored within the limits of the Site have not been included as part of this estimate. Additionally, it is assumed that all existing debris/machinery/equipment currently stored within the limits of the Site will be removed prior to the onset of remedial construction activities.
- Recent inspections conducted at the Site revealed areas of concern (e.g., unclassified drum storage areas) which would need to be addressed prior to the performance of remedial construction activities. Costs associated with addressing these areas of concern have not been included as part of this estimate.
- As part of remedial construction activities, all existing on-site structures shall be demolished and properly disposed off-site. These structures include the following: 1-story metal building; 1-story frame building; and 1-story block building. Refer to Attachment A of this memorandum for approximate locations of all structures to be demolished. Based on the results of pre-design investigations performed at the Site, asbestos containing materials (ACM) and materials coated with lead based paint (LBP) were found to exist within two of these structures. As a result, these materials will need to be abated prior to the demolition of these structures.
- As part of remedial construction activities, two (2) 250,000 gallon former aboveground storage tanks (ASTs) and one (1) 110,000 gallon former AST shall be demolished and properly disposed off-site. Refer to Attachment A of this memorandum for approximate locations of each existing on-site AST to be demolished. Based on the results of pre-design investigations performed at the Site, the exterior surface of each AST were

determined to be coated with lead based paint. For the purpose of this estimate, it is assumed that all costs associated with the abatement of lead-based paint, as may be necessary to dismantle/demolish each AST, will be covered by the salvage value of the ASTs.

- As part of remedial construction activities, a minimum of two feet of soil shall be excavated across the entire Site. Excavation of additional subsurface soil within select areas of the Site will also be necessary to address SVOC and metal constituent concentrations in exceedance of NYSDEC Part 375 restricted residential requirements based on the results of pre-design investigations performed at the Site. Refer to Attachment A of this memorandum for approximate soil excavation areas and associated depths, as well as, preliminary tabulated analytical data for soil samples recently collected during pre-design investigation activities. For the purpose of this estimate, it is assumed that approximately 2,000 yards of soil will be excavated from the areas immediately adjacent to the on-site ASTS and disposed off-Site as "non-hazardous petroleum impacted soil". It is also assumed that approximately 2,600 yards of soil will be excavated from all remaining areas and disposed off-site as "non-hazardous soil". It should be noted that additional soil excavation may be required based on the results of endpoint sampling completed at the time of remedial construction activities. Additionally, it should also be noted that provisions for dewatering during excavation activities have not been included within the estimate as it is assumed that excavation activities will be limited to the groundwater interface.
- Low concentrations of VOCs were found in groundwater samples collected during Phase II ESA activities performed at the Site in September 2006 exceeding Class GA Groundwater Standards and Guidance Values. For the purpose of this estimate, however, it is assumed that groundwater remediation will not be required since groundwater use at the Site is extremely unlikely.
- Upon completion of remedial activities, open excavations shall be backfilled environmentally clean soil meeting NYSDEC Part 375 Restricted Residential criteria. Final site restoration activities shall consist of the installation of 4-inches of topsoil and seed across the entire Site.
- The following assumptions have also been factored into the estimate: remedial construction will occur in the 2011 calendar year; based on a single-prime contract; based on NYS prevailing wage rates, does not include engineering fees for remedial design efforts and construction office services.

Based on the assumptions above, it is estimated that the remedial construction costs will be approximately \$2,000,000 for the Doxey Site. Refer to Attachment B to this memorandum a breakdown of the remedial construction costs. As part of this effort, as requested, we have also attempted to categorize remedial construction costs to identify "*non-hazardous petroleum waste cleanup costs*" and "*non-hazardous waste cleanup costs*". As can be seen from the enclosed cost breakdown "*non-hazardous petroleum waste cleanup costs*" are estimated at approximately \$940,000. "*Non-hazardous waste cleanup costs*" are estimated at approximately \$1,060,000.

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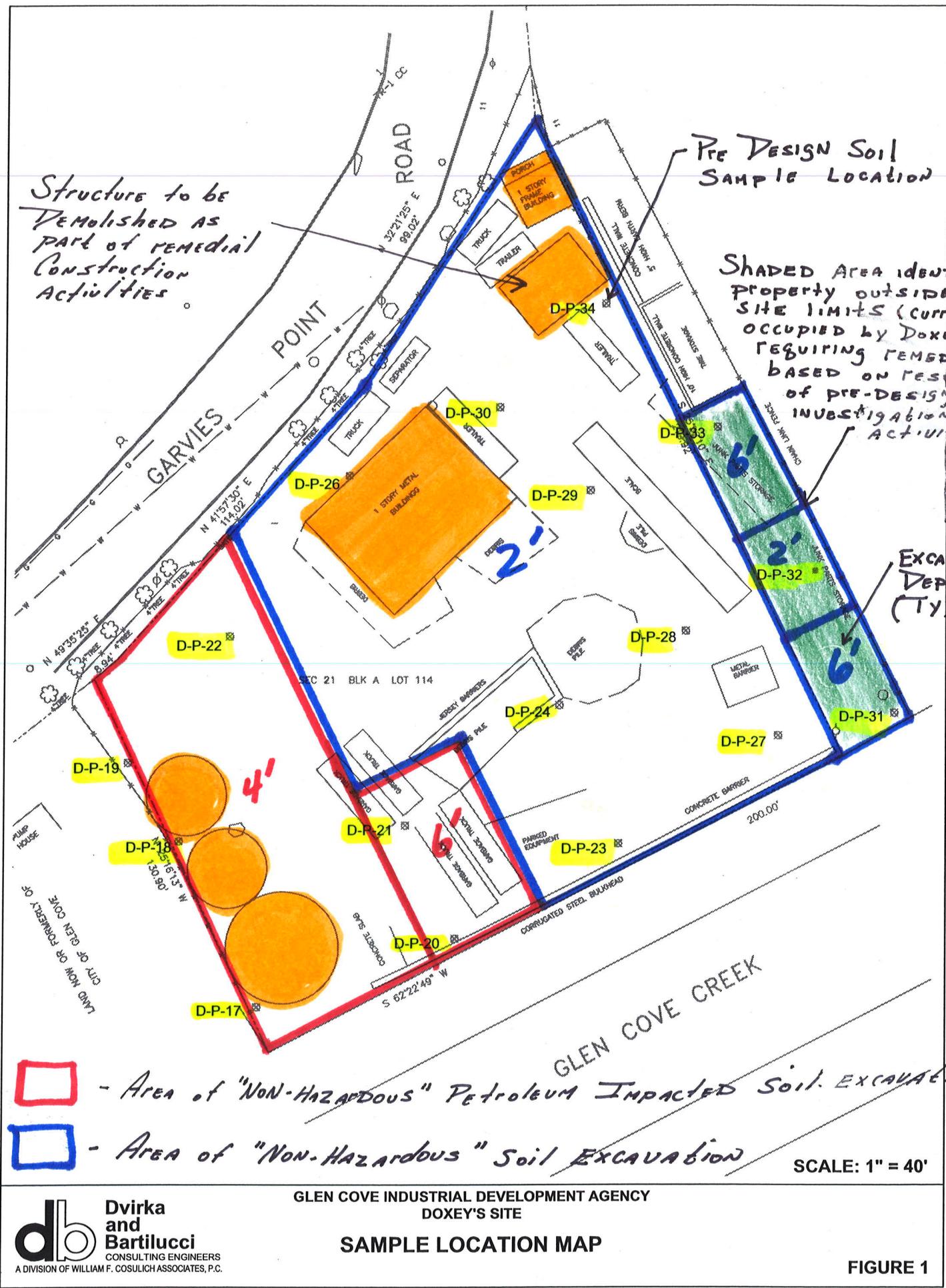
It should be noted that estimates provided above are considered to be an "order of magnitude" estimate and may be subject to change based on the final configuration of the design. A detailed construction cost estimate for the selected alternative will be prepared and submitted during the final design stages of the project. In the meanwhile, should you need anything else please feel free to contact me at (516) 364-9890 Ext. 3064.

cc: P. Mize (GCCDA)
J. Nemley (Nassau County)

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ATTACHMENT A

PRE-DESIGN INVESTIGATION INFORMATION



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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-17 (2-4) 11/22/2010	D-P-17 (6-8) 11/22/2010	D-P-18 (4-6) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Dichlorodifluoromethane	--	--	U	U	U
Chloromethane	--	--	U	U	U
Vinyl chloride	900	20	U	U	U
Bromomethane	--	--	U	U	U
Chloroethane	--	--	U	U	U
Trichlorofluoromethane	--	--	U	U	U
1,1,2-Trifluoro-1,2,2-trifluoroethane	--	--	U	U	U
1,1-Dichloroethene	100,000	330	U	U	U
Acetone	100,000	50	U	U	U
Carbon disulfide	--	--	U	U	U
Methyltert-butylether	100,000	930	U	U	U
Methyl Acetate	--	--	U	U	U
Methylene chloride	100,000	50	U	U	U
trans-1,2-Dichloroethene	100,000	190	U	U	U
1,1-Dichloroethane	26,000	270	U	U	U
Cyclohexane	--	--	U	U	U
2-Butanone (MEK)	100,000	120	U	U	U
Carbon tetrachloride	2,400	760	U	U	U
cis-1,2-Dichloroethene	100,000	250	U	U	U
Chloroform	49,000	370	U	U	U
1,1,1-Trichloroethane	100,000	680	U	U	U
Methylcyclohexane	--	--	U	U	U
Benzene	4,800	60	U	U	U
1,2-Dichloroethane	3,100	20	U	U	U
Trichloroethene	21,000	470	U	U	U
1,2-Dichloropropane	--	--	U	U	U
Bromodichloromethane	--	--	U	U	U
4-Methyl-2-pentanone	--	--	U	U	U
Toluene	100,000	700	U	U	U
trans-1,3-Dichloropropene	--	--	U	U	U
cis-1,3-Dichloropropene	--	--	U	U	U
1,1,2-Trichloroethane	--	--	U	U	U
2-Hexanone	--	--	U	U	U
Dibromochloromethane	--	--	U	U	U
Ethylene dibromide (EDB)	--	--	U	U	U
Tetrachloroethene	19,000	1,300	U	U	U
Chlorobenzene	100,000	1,100	U	U	U
Ethylbenzene	41,000	1,000	U	U	U
m,p-Xylene	100,000	1,600	U	U	U
o-Xylene	100,000	1,600	U	U	U
Styrene	--	--	U	U	U
Bromoform	--	--	U	U	U
Isopropylbenzene	--	--	U	U	U
1,1,2,2-Tetrachloroethane	--	--	U	U	U
1,3-Dichlorobenzene	49,000	2,400	U	U	U
1,4-Dichlorobenzene	13,000	1,800	U	U	U
1,2-Dichlorobenzene	100,000	1,100	U	U	U
1,2-Dibromo-3-chloropropane	--	--	U	U	U
1,2,4-Trichlorobenzene	--	--	U	U	U
Total Target VOCs			0	0	0
Total Tentatively Identified VOCs			2175.1	2075	4382.6
Total Volatile Organic Compounds	--	--	2,175	2,075	4,383

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL, value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-18 (6-8) 11/22/2010	D-P-19 (4-6) 11/22/2010	D-P-20 (0-2) 11/19/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Dichlorodifluoromethane	--	--		U	U	U
Chloromethane	--	--		U	U	U
Vinyl chloride	900	20		U	U	U
Bromomethane	--	--		U	U	U
Chloroethane	--	--		U	U	U
Trichlorofluoromethane	--	--		U	U	U
1,1,2-Trifluoro-1,2,2-trifluoroethane	--	--		U	U	U
1,1-Dichloroethene	100,000	330		U	U	U
Acetone	100,000	50		U	U	U
Carbon disulfide	--	--		U	U	U
Methyltert-butylether	100,000	930		U	U	U
Methyl Acetate	--	--		U	U	U
Methylene chloride	100,000	50		U	U	9.3 J
trans-1,2-Dichloroethene	100,000	190		U	U	U
1,1-Dichloroethane	26,000	270		U	U	U
Cyclohexane	--	--		U	U	U
2-Butanone (MEK)	100,000	120		U	U	U
Carbon tetrachloride	2,400	760		U	U	U
cis-1,2-Dichloroethene	100,000	250		U	U	U
Chloroform	49,000	370		U	U	U
1,1,1-Trichloroethane	100,000	680		U	U	U
Methylcyclohexane	--	--		U	4.7 J	U
Benzene	4,800	60		U	U	U
1,2-Dichloroethane	3,100	20		U	U	U
Trichloroethene	21,000	470		U	U	U
1,2-Dichloropropane	--	--		U	U	U
Bromodichloromethane	--	--		U	U	U
4-Methyl-2-pentanone	--	--		U	U	U
Toluene	100,000	700		U	7.3 J	U
trans-1,3-Dichloropropene	--	--		U	U	U
cis-1,3-Dichloropropene	--	--		U	U	U
1,1,2-Trichloroethane	--	--		U	U	U
2-Hexanone	--	--		U	U	U
Dibromochloromethane	--	--		U	U	U
Ethylene dibromide (EDB)	--	--		U	U	U
Tetrachloroethene	19,000	1,300		U	U	U
Chlorobenzene	100,000	1,100		U	U	U
Ethylbenzene	41,000	1,000		U	3.5 J	U
m,p-Xylene	100,000	1,600		U	22	U
o-Xylene	100,000	1,600		U	U	U
Styrene	--	--		U	U	U
Bromoform	--	--		U	U	U
Isopropylbenzene	--	--		U	U	U
1,1,2,2-Tetrachloroethane	--	--		U	U	U
1,3-Dichlorobenzene	49,000	2,400		U	U	U
1,4-Dichlorobenzene	13,000	1,800		U	U	U
1,2-Dichlorobenzene	100,000	1,100		U	U	U
1,2-Dibromo-3-chloropropane	--	--		U	U	U
1,2,4-Trichlorobenzene	--	--		U	U	U
Total Target VOCs			0	37.5	9.3	
Total Tentatively Identified VOCs			4738	1441	0	
Total Volatile Organic Compounds	--	--	4,738	1,479	9	

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL, value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-20 (6-8) 11/19/2010	D-P-21 (0-2) 11/19/2010	D-P-21 (4-6) 11/19/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Dichlorodifluoromethane	--	--		U	U	U
Chloromethane	--	--		U	U	U
Vinyl chloride	900	20		U	U	U
Bromomethane	--	--		U	U	U
Chloroethane	--	--		U	U	U
Trichlorofluoromethane	--	--		U	U	U
1,1,2-Trifluoro-1,2,2-trifluoroethane	--	--		U	U	U
1,1-Dichloroethene	100,000	330		U	U	U
Acetone	100,000	50		U	U	35
Carbon disulfide	--	--		U	U	U
Methyltert-butylether	100,000	930		U	U	U
Methyl Acetate	--	--		U	U	U
Methylene chloride	100,000	50	8.7 J	3.7 J	12	
trans-1,2-Dichloroethene	100,000	190		U	U	U
1,1-Dichloroethane	26,000	270		U	U	U
Cyclohexane	--	--		U	U	U
2-Butanone (MEK)	100,000	120		U	U	U
Carbon tetrachloride	2,400	760		U	U	U
cis-1,2-Dichloroethene	100,000	250		U	U	U
Chloroform	49,000	370		U	U	U
1,1,1-Trichloroethane	100,000	680		U	U	U
Methylcyclohexane	--	--		U	U	2.6 J
Benzene	4,800	60		U	U	U
1,2-Dichloroethane	3,100	20		U	U	U
Trichloroethene	21,000	470		U	U	U
1,2-Dichloropropane	--	--		U	U	U
Bromodichloromethane	--	--		U	U	U
4-Methyl-2-pentanone	--	--		U	U	U
Toluene	100,000	700		U	U	U
trans-1,3-Dichloropropene	--	--		U	U	U
cis-1,3-Dichloropropene	--	--		U	U	U
1,1,2-Trichloroethane	--	--		U	U	U
2-Hexanone	--	--		U	U	U
Dibromochloromethane	--	--		U	U	U
Ethylene dibromide (EDB)	--	--		U	U	U
Tetrachloroethene	19,000	1,300		U	U	U
Chlorobenzene	100,000	1,100		U	U	U
Ethylbenzene	41,000	1,000		U	U	U
m,p-Xylene	100,000	1,600		U	U	U
o-Xylene	100,000	1,600		U	U	U
Styrene	--	--		U	U	U
Bromoform	--	--		U	U	U
Isopropylbenzene	--	--		U	U	2.7 J
1,1,2,2-Tetrachloroethane	--	--		U	U	U
1,3-Dichlorobenzene	49,000	2,400		U	U	U
1,4-Dichlorobenzene	13,000	1,800		U	U	U
1,2-Dichlorobenzene	100,000	1,100		U	U	U
1,2-Dibromo-3-chloropropane	--	--		U	U	U
1,2,4-Trichlorobenzene	--	--		U	U	U
Total Target VOCs			8.7	3.7	52.3	
Total Tentatively Identified VOCs			0	0	0	
Total Volatile Organic Compounds	--	--	9	4	52	

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL, value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-22 (0-2) 11/22/2010	D-P-24 (0-2) 11/18/2010	D-P-26 (0-2) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Dichlorodifluoromethane	--	--		U	U	U
Chloromethane	--	--		U	U	U
Vinyl chloride	900	20		U	U	U
Bromomethane	--	--		U	U	U
Chloroethane	--	--		U	U	U
Trichlorofluoromethane	--	--		U	U	U
1,1,2-Trifluoro-1,2,2-trifluoroethane	--	--		U	U	U
1,1-Dichloroethene	100,000	330		U	U	U
Acetone	100,000	50		8.8 J	8.6 J	U
Carbon disulfide	--	--		U	U	U
Methyltert-butylether	100,000	930		U	U	U
Methyl Acetate	--	--		9.7 J	U	U
Methylene chloride	100,000	50		U	U	U
trans-1,2-Dichloroethene	100,000	190		U	U	U
1,1-Dichloroethane	26,000	270		U	U	U
Cyclohexane	--	--		U	U	U
2-Butanone (MEK)	100,000	120		U	U	U
Carbon tetrachloride	2,400	760		U	U	U
cis-1,2-Dichloroethene	100,000	250		U	U	U
Chloroform	49,000	370		U	U	U
1,1,1-Trichloroethane	100,000	680		U	U	U
Methylcyclohexane	--	--		U	U	U
Benzene	4,800	60		U	U	U
1,2-Dichloroethane	3,100	20		U	U	U
Trichloroethene	21,000	470		U	U	U
1,2-Dichloropropane	--	--		U	U	U
Bromodichloromethane	--	--		U	U	U
4-Methyl-2-pentanone	--	--		U	U	U
Toluene	100,000	700		U	U	U
trans-1,3-Dichloropropene	--	--		U	U	U
cis-1,3-Dichloropropene	--	--		U	U	U
1,1,2-Trichloroethane	--	--		U	U	U
2-Hexanone	--	--		U	U	U
Dibromochloromethane	--	--		U	U	U
Ethylene dibromide (EDB)	--	--		U	U	U
Tetrachloroethene	19,000	1,300		U	U	U
Chlorobenzene	100,000	1,100		U	U	U
Ethylbenzene	41,000	1,000		U	U	U
m,p-Xylene	100,000	1,600		U	U	U
o-Xylene	100,000	1,600		U	U	U
Styrene	--	--		U	U	U
Bromoform	--	--		U	U	U
Isopropylbenzene	--	--		U	U	U
1,1,2,2-Tetrachloroethane	--	--		U	U	U
1,3-Dichlorobenzene	49,000	2,400		U	U	U
1,4-Dichlorobenzene	13,000	1,800		U	U	U
1,2-Dichlorobenzene	100,000	1,100		U	U	U
1,2-Dibromo-3-chloropropane	--	--		U	U	U
1,2,4-Trichlorobenzene	--	--		U	U	U
Total Target VOCs				18.5	8.6	0
Total Tentatively Identified VOCs				117	0	0
Total Volatile Organic Compounds	--	--		136	9	0

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL, value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-27 (2-4) 11/18/2010	D-P-28 (0-2) 11/23/2010	D-P-30 (0-2) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Dichlorodifluoromethane	--	--	U	U	U
Chloromethane	--	--	U	U	U
Vinyl chloride	900	20	U	U	U
Bromomethane	--	--	U	U	U
Chloroethane	--	--	U	U	U
Trichlorofluoromethane	--	--	U	U	U
1,1,2-Trifluoro-1,2,2-trifluoroethane	--	--	U	U	U
1,1-Dichloroethene	100,000	330	U	U	40
Acetone	100,000	50	U	U	U
Carbon disulfide	--	--	U	U	U
Methyltert-butylether	100,000	930	U	U	U
Methyl Acetate	--	--	U	U	U
Methylene chloride	100,000	50	U	U	10 J
trans-1,2-Dichloroethene	100,000	190	U	U	U
1,1-Dichloroethane	26,000	270	U	U	U
Cyclohexane	--	--	U	U	U
2-Butanone (MEK)	100,000	120	U	U	U
Carbon tetrachloride	2,400	760	U	U	U
cis-1,2-Dichloroethene	100,000	250	U	U	U
Chloroform	49,000	370	U	U	U
1,1,1-Trichloroethane	100,000	680	U	U	U
Methylcyclohexane	--	--	U	U	U
Benzene	4,800	60	U	U	U
1,2-Dichloroethane	3,100	20	U	U	U
Trichloroethene	21,000	470	U	U	U
1,2-Dichloropropane	--	--	U	U	U
Bromodichloromethane	--	--	U	U	U
4-Methyl-2-pentanone	--	--	U	U	U
Toluene	100,000	700	U	U	U
trans-1,3-Dichloropropene	--	--	U	U	U
cis-1,3-Dichloropropene	--	--	U	U	U
1,1,2-Trichloroethane	--	--	U	U	U
2-Hexanone	--	--	U	U	U
Dibromochloromethane	--	--	U	U	U
Ethylene dibromide (EDB)	--	--	U	U	U
Tetrachloroethene	19,000	1,300	U	U	U
Chlorobenzene	100,000	1,100	U	U	U
Ethylbenzene	41,000	1,000	U	U	U
m,p-Xylene	100,000	1,600	U	U	U
o-Xylene	100,000	1,600	U	U	U
Styrene	--	--	U	U	U
Bromoform	--	--	U	U	U
Isopropylbenzene	--	--	U	U	U
1,1,2,2-Tetrachloroethane	--	--	U	U	U
1,3-Dichlorobenzene	49,000	2,400	U	U	U
1,4-Dichlorobenzene	13,000	1,800	U	U	U
1,2-Dichlorobenzene	100,000	1,100	U	U	U
1,2-Dibromo-3-chloropropane	--	--	U	U	U
1,2,4-Trichlorobenzene	--	--	U	U	U
Total Target VOCs			0	0	50
Total Tentatively Identified VOCs			0	0	0
Total Volatile Organic Compounds	--	--	0	0	50

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL, value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-32 (0-2) 11/22/2010	D-P-32 (4-6) 11/23/2010	D-P-33 (0-2) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Dichlorodifluoromethane	--	--		U	U	U
Chloromethane	--	--		U	U	U
Vinyl chloride	900	20		U	U	U
Bromomethane	--	--		U	U	U
Chloroethane	--	--		U	U	U
Trichlorofluoromethane	--	--		U	U	U
1,1,2-Trifluoro-1,2,2-trifluoroethane	--	--		U	U	U
1,1-Dichloroethene	100,000	330		U	U	U
Acetone	100,000	50		U	12	U
Carbon disulfide	--	--		U	U	U
Methyltert-butylether	100,000	930		U	U	U
Methyl Acetate	--	--		U	U	U
Methylene chloride	100,000	50	5.8 J	4.9 J	20	
trans-1,2-Dichloroethene	100,000	190		U	U	U
1,1-Dichloroethane	26,000	270		U	U	U
Cyclohexane	--	--		U	U	U
2-Butanone (MEK)	100,000	120		U	U	U
Carbon tetrachloride	2,400	760		U	U	U
cis-1,2-Dichloroethene	100,000	250		U	U	U
Chloroform	49,000	370		U	U	U
1,1,1-Trichloroethane	100,000	680		U	U	U
Methylcyclohexane	--	--		U	U	U
Benzene	4,800	60		U	U	U
1,2-Dichloroethane	3,100	20		U	U	U
Trichloroethene	21,000	470		U	U	U
1,2-Dichloropropane	--	--		U	U	U
Bromodichloromethane	--	--		U	U	U
4-Methyl-2-pentanone	--	--		U	U	U
Toluene	100,000	700		U	U	U
trans-1,3-Dichloropropene	--	--		U	U	U
cis-1,3-Dichloropropene	--	--		U	U	U
1,1,2-Trichloroethane	--	--		U	U	U
2-Hexanone	--	--		U	U	U
Dibromochloromethane	--	--		U	U	U
Ethylene dibromide (EDB)	--	--		U	U	U
Tetrachloroethene	19,000	1,300		U	U	U
Chlorobenzene	100,000	1,100		U	U	U
Ethylbenzene	41,000	1,000		U	U	U
m,p-Xylene	100,000	1,600		U	U	U
o-Xylene	100,000	1,600		U	U	U
Styrene	--	--		U	U	U
Bromoform	--	--		U	U	U
Isopropylbenzene	--	--		U	U	U
1,1,2,2-Tetrachloroethane	--	--		U	U	U
1,3-Dichlorobenzene	49,000	2,400		U	U	U
1,4-Dichlorobenzene	13,000	1,800		U	U	U
1,2-Dichlorobenzene	100,000	1,100		U	U	U
1,2-Dibromo-3-chloropropane	--	--		U	U	U
1,2,4-Trichlorobenzene	--	--		U	U	U
Total Target VOCs			5.8	16.9	20	
Total Tentatively Identified VOCs			0	0	0	
Total Volatile Organic Compounds	--	--	6	17	20	

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL, value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

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CONSTITUENT in ug/kg	Sample ID		D-P-33 (2-4) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's	
Dichlorodifluoromethane	--	--	U
Chloromethane	--	--	U
Vinyl chloride	900	20	U
Bromomethane	--	--	U
Chloroethane	--	--	U
Trichlorofluoromethane	--	--	U
1,1,2-Trifluoro-1,2,2-trifluoroethane	--	--	U
1,1-Dichloroethene	100,000	330	U
Acetone	100,000	50	U
Carbon disulfide	--	--	U
Methyltert-butylether	100,000	930	U
Methyl Acetate	--	--	U
Methylene chloride	100,000	50	U
trans-1,2-Dichloroethene	100,000	190	U
1,1-Dichloroethane	26,000	270	U
Cyclohexane	--	--	U
2-Butanone (MEK)	100,000	120	U
Carbon tetrachloride	2,400	760	U
cis-1,2-Dichloroethene	100,000	250	U
Chloroform	49,000	370	U
1,1,1-Trichloroethane	100,000	680	U
Methylcyclohexane	--	--	U
Benzene	4,800	60	U
1,2-Dichloroethane	3,100	20	U
Trichloroethene	21,000	470	U
1,2-Dichloropropane	--	--	U
Bromodichloromethane	--	--	U
4-Methyl-2-pentanone	--	--	U
Toluene	100,000	700	U
trans-1,3-Dichloropropene	--	--	U
cis-1,3-Dichloropropene	--	--	U
1,1,2-Trichloroethane	--	--	U
2-Hexanone	--	--	U
Dibromochloromethane	--	--	U
Ethylene dibromide (EDB)	--	--	U
Tetrachloroethene	19,000	1,300	U
Chlorobenzene	100,000	1,100	U
Ethylbenzene	41,000	1,000	U
m,p-Xylene	100,000	1,600	U
o-Xylene	100,000	1,600	U
Styrene	--	--	U
Bromoform	--	--	U
Isopropylbenzene	--	--	6.5 J
1,1,2,2-Tetrachloroethane	--	--	U
1,3-Dichlorobenzene	49,000	2,400	U
1,4-Dichlorobenzene	13,000	1,800	U
1,2-Dichlorobenzene	100,000	1,100	U
1,2-Dibromo-3-chloropropane	--	--	U
1,2,4-Trichlorobenzene	--	--	U
Total Target VOCs			6.5
Total Tentatively Identified VOCs			0
Total Volatile Organic Compounds	--	--	7

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL, value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-17 (0-2) 11/22/2010	D-P-17 (2-4) 11/22/2010	D-P-17 (4-6) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	420	U	450
Anthracene	100,000	1,000,000	71 J	U	75 J
Carbazole	--	--	U	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	460	U	730
Pyrene	100,000	1,000,000	480	790 J	1300

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-17 (0-2) 11/22/2010	D-P-17 (2-4) 11/22/2010	D-P-17 (4-6) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Butyl benzyl phthalate	--	--	U	U	U
3,3-Dichlorobenzidine	--	--	U	U	U
Benzo(a)anthracene	1,000	1,000	260 J	U	450
Chrysene	3,900	1,000	260 J	U	650
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	U	U	U
Di-n-octyl phthalate	--	--	U	U	U
Benzo(b)fluoranthene	1,000	1,700	300 J	U	510
Benzo(k)fluoranthene	3,900	1,700	240 J	U	380 J
Benzo(a)pyrene	1,000	22,000	220 J	U	490
Indeno(1,2,3-cd)pyrene	500	8,200	210 J	U	510
Dibenzo(a,h)anthracene	330	1,000,000	82 J	U	220 J
Benzo(ghi)perylene	100,000	1,000,000	170 J	U	490
Total Target SVOCs			3,173	790	6,255
Total Tentatively Identified SVOCs			1,722	87,100	19,010
Total SVOCs			4,895	87,890	25,265
Total Petroleum					
Hydrocarbons (TPH)	100,000*	--	<u>250,000</u>	<u>16,000,000</u>	<u>4,400,000</u>

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-17 (6-8) 11/22/2010	D-P-18 (0-2) 11/22/2010	D-P-18 (2-4) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylenne	100,000	107,000	U	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	610	180 J	150 J
Anthracene	100,000	1,000,000	U	U	U
Carbazole	--	--	U	U	U
Di-n-butyl phthalate	--	--	U	38 J	U
Fluoranthene	100,000	1,000,000	190 J	270 J	210 J
Pyrene	100,000	1,000,000	600	410	310 J

See next page for footnotes.

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-17 (6-8) 11/22/2010	D-P-18 (0-2) 11/22/2010	D-P-18 (2-4) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Butyl benzyl phthalate	--	--	U	U	U
3,3-Dichlorobenzidine	--	--	U	U	U
Benzo(a)anthracene	1,000	1,000	71 J	200 J	130 J
Chrysene	3,900	1,000	120 J	180 J	160 J
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	U	39 J	U
Di-n-octyl phthalate	--	--	U	U	U
Benzo(b)fluoranthene	1,000	1,700	140 J	220 J	180 J
Benzo(k)fluoranthene	3,900	1,700	U	97 J	150 J
Benzo(a)pyrene	1,000	22,000	73 J	190 J	140 J
Indeno(1,2,3-cd)pyrene	500	8,200	100 J	120 J	96 J
Dibenzo(a,h)anthracene	330	1,000,000	47 J	U	39 J
Benzo(ghi)perylene	100,000	1,000,000	150 J	130 J	79 J
Total Target SVOCs			2,101	2,074	1,644
Total Tentatively Identified SVOCs			23,920	3,637	2,895
Total SVOCs			26,021	5,711	4,539
Total Petroleum					
Hydrocarbons (TPH)	100,000*	--	2,500,000	99,000	69,000

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected
 J Compound detected at a concentration below the CRDL,
 value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-18 (4-6) 11/22/2010	D-P-18 (6-8) 11/22/2010	D-P-19 (0-2) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	110 J	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	210 J	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	290 J	U	U
Anthracene	100,000	1,000,000	U	U	U
Carbazole	--	--	U	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	130 J	89 J	58 J
Pyrene	100,000	1,000,000	350 J	260 J	78 J

See next page for footnotes.

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-18 (4-6) 11/22/2010	D-P-18 (6-8) 11/22/2010	D-P-19 (0-2) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Butyl benzyl phthalate	--	--	U	U	U
3,3-Dichlorobenzidine	--	--	U	U	U
Benzo(a)anthracene	1,000	1,000	53 J	U	48 J
Chrysene	3,900	1,000	95 J	73 J	56 J
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	U	U	46 J
Di-n-octyl phthalate	--	--	U	U	U
Benzo(b)fluoranthene	1,000	1,700	51 J	U	64 J
Benzo(k)fluoranthene	3,900	1,700	U	U	61 J
Benzo(a)pyrene	1,000	22,000	U	U	63 J
Indeno(1,2,3-cd)pyrene	500	8,200	U	U	53 J
Dibenzo(a,h)anthracene	330	1,000,000	U	U	U
Benzo(ghi)perylene	100,000	1,000,000	U	U	U
Total Target SVOCs			1,079	632	527
Total Tentatively Identified SVOCs			59,980	23,823	4,416
Total SVOCs			61,059	24,455	4,943
Total Petroleum					
Hydrocarbons (TPH)	100,000*	--	4,600,000	2,700,000	140,000

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-19 (2-4) 11/22/2010	D-P-19 (4-6) 11/22/2010	D-P-19 (6-8) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	78 J	69 J
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	99 J	730	430 J
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	57 J	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	310 J	U	300 J
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	410	1200	620
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	540	1100	570
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	3700 D	950	510
Anthracene	100,000	1,000,000	1100	150 J	140 J
Carbazole	--	--	230 J	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	1700	100 J	91 J
Pyrene	100,000	1,000,000	2300	260 J	200 J

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-19 (2-4) 11/22/2010	D-P-19 (4-6) 11/22/2010	D-P-19 (6-8) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Butyl benzyl phthalate	--	--	U	U	U
3,3-Dichlorobenzidine	--	--	U	U	U
Benzo(a)anthracene	1,000	1,000	830	U	U
Chrysene	3,900	1,000	730	68 J	67 J
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	U	U	U
Di-n-octyl phthalate	--	--	U	U	U
Benzo(b)fluoranthene	1,000	1,700	900	U	U
Benzo(k)fluoranthene	3,900	1,700	400	U	U
Benzo(a)pyrene	1,000	22,000	700	U	U
Indeno(1,2,3-cd)pyrene	500	8,200	510	U	U
Dibenzo(a,h)anthracene	330	1,000,000	230 J	U	U
Benzo(ghi)perylene	100,000	1,000,000	560	U	U
Total Target SVOCs			15,306	4,636	2,997
Total Tentatively Identified SVOCs			5,570	152,170	49,040
Total SVOCs			20,876	156,806	52,037
Total Petroleum					
Hydrocarbons (TPH)	100,000*	--	62,000	3,400,000	1,400,000

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected
 J Compound detected at a concentration below the CRDL,
 value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-20 (0-2) 11/19/2010	D-P-20 (2-4) 11/19/2010	D-P-20 (4-6) 11/19/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	73 J	64 J	57 J
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	49 J	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	250 J	110 J	49 J
Anthracene	100,000	1,000,000	64 J	U	U
Carbazole	--	--	U	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	390	170 J	150 J
Pyrene	100,000	1,000,000	310 J	150 J	140 J

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-20 (0-2) 11/19/2010	D-P-20 (2-4) 11/19/2010	D-P-20 (4-6) 11/19/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Butyl benzyl phthalate	--	--		U	U	U
3,3-Dichlorobenzidine	--	--		U	U	U
Benzo(a)anthracene	1,000	1,000	180 J	79 J	89 J	
Chrysene	3,900	1,000	200 J	90 J	100 J	
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	U	U	U	
Di-n-octyl phthalate	--	--	U	U	U	
Benzo(b)fluoranthene	1,000	1,700	210 J	95 J	140 J	
Benzo(k)fluoranthene	3,900	1,700	84 J	54 J	75 J	
Benzo(a)pyrene	1,000	22,000	150 J	73 J	81 J	
Indeno(1,2,3-cd)pyrene	500	8,200	120 J	61 J	71 J	
Dibenzo(a,h)anthracene	330	1,000,000	U	U	U	
Benzo(ghi)perylene	100,000	1,000,000	120 J	61 J	84 J	
Total Target SVOCs			2,200	1,007	1,036	
Total Tentatively Identified SVOCs			426	270	85	
Total SVOCs			2,626	1,277	1,121	
Total Petroleum						
Hydrocarbons (TPH)	100,000*	--	65,000	80,000	250,000	

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-20 (6-8) 11/19/2010	D-P-21 (0-2) 11/19/2010	D-P-21 (2-4) 11/19/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	420
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	50 J	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	510
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	280 J
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	570
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	230 J	40 J	4000 D
Anthracene	100,000	1,000,000	59 J	U	1100
Carbazole	--	--	U	U	340 J
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	320 J	89 J	5600 D
Pyrene	100,000	1,000,000	280 J	72 J	8300 D

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-20 (6-8) 11/19/2010	D-P-21 (0-2) 11/19/2010	D-P-21 (2-4) 11/19/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Butyl benzyl phthalate	--	--	U	U	U
3,3-Dichlorobenzidine	--	--	U	U	U
Benzo(a)anthracene	1,000	1,000	160 J	40 J	<u>3400</u> D
Chrysene	3,900	1,000	150 J	54 J	<u>3800</u> D
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	U	110 J	460
Di-n-octyl phthalate	--	--	U	U	U
Benzo(b)fluoranthene	1,000	1,700	180 J	61 J	<u>4800</u> D
Benzo(k)fluoranthene	3,900	1,700	75 J	U	<u>1400</u>
Benzo(a)pyrene	1,000	22,000	130 J	U	<u>2200</u>
Indeno(1,2,3-cd)pyrene	500	8,200	94 J	U	<u>1600</u>
Dibenzo(a,h)anthracene	330	1,000,000	U	U	<u>680</u>
Benzo(ghi)perylene	100,000	1,000,000	98 J	U	1600
Total Target SVOCs			1,826	466	41,060
Total Tentatively Identified SVOCs			318	7,089	61,070
Total SVOCs			2,144	7,555	102,130
Total Petroleum					
Hydrocarbons (TPH)	100,000*	--	<u>150,000</u>	<u>3,100,000</u>	<u>2,600,000</u>

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected
 J Compound detected at a concentration below the CRDL,
 value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-21 (4-6) 11/19/2010	D-P-22 (0-2) 11/22/2010	D-P-22 (2-4) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	39 J	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	39 J	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	340 J	330 J	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	210 J	100 J
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	630	290 J	74 J
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	1500	4100 D	420
Anthracene	100,000	1,000,000	620	880	U
Carbazole	--	--	230 J	270 J	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	2300 D	5400 D	340 J
Pyrene	100,000	1,000,000	3400 D	7900 D	680

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-21 (4-6) 11/19/2010	D-P-22 (0-2) 11/22/2010	D-P-22 (2-4) 11/22/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Butyl benzyl phthalate	--	--	U	U	U
3,3-Dichlorobenzidine	--	--	U	U	U
Benzo(a)anthracene	1,000	1,000	<u>1500</u>	<u>2800</u> D	200 J
Chrysene	3,900	1,000	<u>1700</u>	<u>2900</u> D	290 J
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	390	130 J	U
Di-n-octyl phthalate	--	--	U	U	U
Benzo(b)fluoranthene	1,000	1,700	<u>1400</u>	<u>2800</u>	300 J
Benzo(k)fluoranthene	3,900	1,700	1100	1600 DJ	110 J
Benzo(a)pyrene	1,000	22,000	<u>1300</u>	<u>2700</u> D	200 J
Indeno(1,2,3-cd)pyrene	500	8,200	<u>910</u>	<u>2400</u> D	300 J
Dibenzo(a,h)anthracene	330	1,000,000	320 J	<u>1800</u>	120 J
Benzo(ghi)perylene	100,000	1,000,000	820	2700 D	470
Total Target SVOCs			18,460	39,288	3,604
Total Tentatively Identified SVOCs			33,360	21,630	28,500
Total SVOCs			51,820	60,918	32,104
Total Petroleum					
Hydrocarbons (TPH)	100,000*	--	<u>2,900,000</u>	<u>860,000</u>	<u>1,400,000</u>

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-23 (0-2) 11/19/2010	D-P-23 (2-4) 11/19/2010	D-P-24 (0-2) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	55 J
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	240 J
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	U	U	78 J
Anthracene	100,000	1,000,000	U	U	55 J
Carbazole	--	--	U	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	49 J	120 J	190 J
Pyrene	100,000	1,000,000	47 J	110 J	320 J

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-23 (0-2) 11/19/2010	D-P-23 (2-4) 11/19/2010	D-P-24 (0-2) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Butyl benzyl phthalate	--	--		U	U	U
3,3-Dichlorobenzidine	--	--		U	U	U
Benzo(a)anthracene	1,000	1,000		U	59 J	65 J
Chrysene	3,900	1,000	100 J	96 J	130 J	
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	270 J	U	860	
Di-n-octyl phthalate	--	--	U	U	U	
Benzo(b)fluoranthene	1,000	1,700	U	120 J	160 J	
Benzo(k)fluoranthene	3,900	1,700	U	50 J	40 J	
Benzo(a)pyrene	1,000	22,000	U	61 J	U	
Indeno(1,2,3-cd)pyrene	500	8,200	U	59 J	100 J	
Dibenzo(a,h)anthracene	330	1,000,000	U	U	U	
Benzo(ghi)perylene	100,000	1,000,000	U	70 J	130 J	
Total Target SVOCs			466	745	2,423	
Total Tentatively Identified SVOCs			10,385	120	31,891	
Total SVOCs			10,851	865	34,314	
Total Petroleum						
Hydrocarbons (TPH)	100,000*	--	4,800,000	200,000	5,500,000	

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-26 (0-2) 11/18/2010	D-P-26 (2-4) 11/18/2010	D-P-26 (4-6) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	120 J	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	260 J	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	75 J	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	340 J	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	890	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	570	U	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	1200	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	6100 D	55 J	U
Anthracene	100,000	1,000,000	2400	U	U
Carbazole	--	--	260 J	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	11000 D	88 J	U
Pyrene	100,000	1,000,000	8600 D	76 J	U

See next page for footnotes.

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-26 (0-2) 11/18/2010	D-P-26 (2-4) 11/18/2010	D-P-26 (4-6) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Butyl benzyl phthalate	--	--		U	U	U
3,3-Dichlorobenzidine	--	--		U	U	U
Benzo(a)anthracene	1,000	1,000	5500 D	47 J		U
Chrysene	3,900	1,000	4900 D	40 J		U
Bis(2-ethylhexyl)phthalate (BEHP)	--	--		U	U	U
Di-n-octyl phthalate	--	--		U	U	U
Benzo(b)fluoranthene	1,000	1,700	5000 D	49 J		U
Benzo(k)fluoranthene	3,900	1,700	2300	U		U
Benzo(a)pyrene	1,000	22,000	5000 D	40 J		U
Indeno(1,2,3-cd)pyrene	500	8,200	2200	U		U
Dibenzo(a,h)anthracene	330	1,000,000	950	U		U
Benzo(ghi)perylene	100,000	1,000,000	2200	U		U
Total Target SVOCs			59,865	395	0	
Total Tentatively Identified SVOCs			41,190	1,175	310	
Total SVOCs			101,055	1,570	310	
Total Petroleum						
Hydrocarbons (TPH)	100,000*	--	2,200,000	26,000	5,600	

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-26 (6-8) 11/18/2010	D-P-27 (0-2) 11/18/2010	D-P-27 (2-4) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	100 J	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	57 J	47 J	89 J
Anthracene	100,000	1,000,000	180 J	U	U
Carbazole	--	--	U	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	580	59 J	140 J
Pyrene	100,000	1,000,000	470	72 J	140 J

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-26 (6-8) 11/18/2010	D-P-27 (0-2) 11/18/2010	D-P-27 (2-4) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Butyl benzyl phthalate	--	--		U	U	U
3,3-Dichlorobenzidine	--	--		U	U	U
Benzo(a)anthracene	1,000	1,000	350 J	40 J	76 J	
Chrysene	3,900	1,000	380 J	44 J	72 J	
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	250 J	U	U	
Di-n-octyl phthalate	--	--	U	U	U	
Benzo(b)fluoranthene	1,000	1,700	440	51 J	77 J	
Benzo(k)fluoranthene	3,900	1,700	250 J	U	41 J	
Benzo(a)pyrene	1,000	22,000	390	U	61 J	
Indeno(1,2,3-cd)pyrene	500	8,200	200 J	U	U	
Dibenzo(a,h)anthracene	330	1,000,000	70 J	U	U	
Benzo(ghi)perylene	100,000	1,000,000	270 J	42 J	50 J	
Total Target SVOCs			3,987	355	746	
Total Tentatively Identified SVOCs			950	6,236	9,660	
Total SVOCs			4,937	6,591	10,406	
Total Petroleum						
Hydrocarbons (TPH)	100,000*	--	4,700	110,000	45,000	

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-27 (4-6) 11/18/2010	D-P-27 (6-8) 11/18/2010	D-P-28 (0-2) 11/23/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	2300
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	2500
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	610
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	5400 D
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	3200 D
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	2600 D
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	61 J	59 J	13000 D
Anthracene	100,000	1,000,000	U	U	1200
Carbazole	--	--	U	U	340 J
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	92 J	86 J	4600 D
Pyrene	100,000	1,000,000	94 J	95 J	5400 D

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-27 (4-6) 11/18/2010	D-P-27 (6-8) 11/18/2010	D-P-28 (0-2) 11/23/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Butyl benzyl phthalate	--	--	U	U	U
3,3-Dichlorobenzidine	--	--	U	U	U
Benzo(a)anthracene	1,000	1,000	55 J	45 J	950
Chrysene	3,900	1,000	U	46 J	1400
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	U	U	500
Di-n-octyl phthalate	--	--	U	U	U
Benzo(b)fluoranthene	1,000	1,700	59 J	49 J	680
Benzo(k)fluoranthene	3,900	1,700	U	U	500
Benzo(a)pyrene	1,000	22,000	U	U	650
Indeno(1,2,3-cd)pyrene	500	8,200	U	U	650
Dibenzo(a,h)anthracene	330	1,000,000	U	U	360
Benzo(ghi)perylene	100,000	1,000,000	U	U	1000
Total Target SVOCs			361	380	47,840
Total Tentatively Identified SVOCs			16,740	9,479	28,640
Total SVOCs			17,101	9,859	76,480
Total Petroleum					
Hydrocarbons (TPH)	100,000*	--	55,000	52,000	3,200,000

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected
 J Compound detected at a concentration below the CRDL,
 value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-29 (0-2) 11/23/2010	D-P-30 (0-2) 11/18/2010	D-P-31 (0-2) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	1800	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	72 J	1400	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	460	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	550	51 J
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	39 J	6800 D	41 J
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	4200 D	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	43 J	6900 D	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	350	46000 D	190 J
Anthracene	100,000	1,000,000	76 J	15000 D	120 J
Carbazole	--	--	U	2600	42 J
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	330 J	56000 D	380 J
Pyrene	100,000	1,000,000	380	44000 D	350 J

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-29 (0-2) 11/23/2010	D-P-30 (0-2) 11/18/2010	D-P-31 (0-2) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Butyl benzyl phthalate	--	--		U	U	U
3,3-Dichlorobenzidine	--	--		U	U	U
Benzo(a)anthracene	1,000	1,000	200 J	<u>21000</u> D	190 J	
Chrysene	3,900	1,000	330 J	<u>19000</u> D	250 J	
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	460	U	69 J	
Di-n-octyl phthalate	--	--		U	U	U
Benzo(b)fluoranthene	1,000	1,700	250 J	<u>20000</u> D	290 J	
Benzo(k)fluoranthene	3,900	1,700	100 J	<u>10000</u> D	150 J	
Benzo(a)pyrene	1,000	22,000	180 J	<u>18000</u> D	190 J	
Indeno(1,2,3-cd)pyrene	500	8,200	170 J	<u>9600</u> D	140 J	
Dibenzo(a,h)anthracene	330	1,000,000	220 J	<u>2700</u> D	44 J	
Benzo(ghi)perylene	100,000	1,000,000	450	11000 D	180 J	
Total Target SVOCs			3,650	297,010	2,677	
Total Tentatively Identified SVOCs			10,020	45,276	1,088	
Total SVOCs			13,670	342,286	3,765	
Total Petroleum						
Hydrocarbons (TPH)	100,000*	--	<u>3,700,000</u>	<u>1,100,000</u>	<u>550,000</u>	

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected
 J Compound detected at a concentration below the CRDL,
 value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-31 (2-4) 11/18/2010	D-P-31 (4-6) 11/18/2010	D-P-31 (6-8) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	51 J	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	54 J
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	130 J	U	290 J
Anthracene	100,000	1,000,000	86 J	U	56 J
Carbazole	--	--	U	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	260 J	U	270 J
Pyrene	100,000	1,000,000	230 J	U	260 J

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-31 (2-4) 11/18/2010	D-P-31 (4-6) 11/18/2010	D-P-31 (6-8) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Butyl benzyl phthalate	--	--	U	U	U
3,3-Dichlorobenzidine	--	--	U	U	U
Benzo(a)anthracene	1,000	1,000	130 J	U	120 J
Chrysene	3,900	1,000	170 J	U	110 J
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	270 J	U	U
Di-n-octyl phthalate	--	--	U	U	U
Benzo(b)fluoranthene	1,000	1,700	220 J	U	99 J
Benzo(k)fluoranthene	3,900	1,700	120 J	U	56 J
Benzo(a)pyrene	1,000	22,000	150 J	U	84 J
Indeno(1,2,3-cd)pyrene	500	8,200	120 J	U	41 J
Dibenzo(a,h)anthracene	330	1,000,000	U	U	U
Benzo(ghi)perylene	100,000	1,000,000	150 J	U	45 J
Total Target SVOCs			2,087	0	1,485
Total Tentatively Identified SVOCs			1,171	800	9,600
Total SVOCs			3,258	800	11,085
Total Petroleum					
Hydrocarbons (TPH)	100,000*	--	560,000	34,000	65,000

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-32 (0-2) 11/22/2010	D-P-32 (2-4) 11/22/2010	D-P-32 (4-6) 11/23/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	41 J	U	U
Anthracene	100,000	1,000,000	U	U	U
Carbazole	--	--	U	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	57 J	620 J	U
Pyrene	100,000	1,000,000	110 J	52 J	U

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-32 (0-2) 11/22/2010	D-P-32 (2-4) 11/22/2010	D-P-32 (4-6) 11/23/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Butyl benzyl phthalate	--	--		U	U	U
3,3-Dichlorobenzidine	--	--		U	U	U
Benzo(a)anthracene	1,000	1,000		51 J	U	U
Chrysene	3,900	1,000		55 J	38 J	U
Bis(2-ethylhexyl)phthalate (BEHP)	--	--		52 J	U	U
Di-n-octyl phthalate	--	--		U	U	U
Benzo(b)fluoranthene	1,000	1,700		54 J	U	U
Benzo(k)fluoranthene	3,900	1,700		57 J	U	U
Benzo(a)pyrene	1,000	22,000		46 J	U	U
Indeno(1,2,3-cd)pyrene	500	8,200		59 J	U	U
Dibenzo(a,h)anthracene	330	1,000,000		U	U	U
Benzo(ghi)perylene	100,000	1,000,000		U	U	U
Total Target SVOCs				582	710	0
Total Tentatively Identified SVOCs				4,690	823	1,147
Total SVOCs				5,272	1,533	1,147
Total Petroleum						
Hydrocarbons (TPH)	100,000*	--		160,000	38,000	31,000

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected
 J Compound detected at a concentration below the CRDL,
 value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-33 (0-2) 11/18/2010	D-P-33 (2-4) 11/18/2010	D-P-33 (4-6) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	270 J
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	U	U
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	1200
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	860
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	1800	1200
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	U	3200	5300 D
Anthracene	100,000	1,000,000	U	740	1700
Carbazole	--	--	U	U	480
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	53 J	2600	6200 D
Pyrene	100,000	1,000,000	44 J	2500	4300 D

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	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Butyl benzyl phthalate	--	--	U	U	U
3,3-Dichlorobenzidine	--	--	U	U	U
Benzo(a)anthracene	1,000	1,000	U	<u>1300</u>	<u>2600</u>
Chrysene	3,900	1,000	47 J	<u>1400</u>	<u>2400</u>
Bis(2-ethylhexyl)phthalate (BEHP)	--	--	55 J	U	70 J
Di-n-octyl phthalate	--	--	U	U	U
Benzo(b)fluoranthene	1,000	1,700	65 J	<u>1700</u>	<u>2500</u>
Benzo(k)fluoranthene	3,900	1,700	U	510	1400
Benzo(a)pyrene	1,000	22,000	53 J	<u>1200</u>	<u>2200</u>
Indeno(1,2,3-cd)pyrene	500	8,200	U	<u>580</u>	<u>1200</u>
Dibenzo(a,h)anthracene	330	1,000,000	U	190 J	<u>480</u>
Benzo(ghi)perylene	100,000	1,000,000	68 J	660	1300
Total Target SVOCs			385	18,380	35,660
Total Tentatively Identified SVOCs			100	42,640	25,000
Total SVOCs			485	61,020	60,660
Total Petroleum					
Hydrocarbons (TPH)	100,000*	--	<u>610,000</u>	<u>3,000,000</u>	<u>3,200,000</u>

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-34 (0-2) 11/18/2010	D-P-34 (2-4) 11/18/2010	D-P-34 (4-6) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's			
Benzaldehyde	--	--	U	U	U
Phenol	100,000	330	U	U	U
Bis(2-chloroethyl)ether	--	--	U	U	U
2-Chlorophenol	--	--	U	U	U
2-Methylphenol	100,000	330	U	U	U
Acetophenone	--	--	U	U	U
4-Methylphenol	100,000	330	U	U	U
N-Nitroso-di-n-propylamine	--	--	U	U	U
Hexachloroethane	--	--	U	U	U
Nitrobenzene	--	--	U	U	U
Isophorone	--	--	U	U	U
2-Nitrophenol	--	--	U	U	U
2,4-Dimethylphenol	--	--	U	U	U
Bis(2-chloroethoxy)methane	--	--	U	U	U
2,4-Dichlorophenol	--	--	U	U	U
Naphthalene	100,000	12,000	U	U	U
4-Chloroaniline	--	--	U	U	U
Hexachlorobutadiene	--	--	U	U	U
Caprolactam	--	--	U	U	U
4-Chloro-3-methylphenol	--	--	U	U	U
2-Methylnaphthalene	--	--	U	U	U
Hexachlorocyclopentadiene	--	--	U	U	U
2,4,6-Trichlorophenol	--	--	U	U	U
2,4,5-Trichlorophenol	--	--	U	U	U
1,1- Biphenyl	--	--	U	U	U
2-Chloronaphthalene	--	--	U	U	U
2-Nitroaniline	--	--	U	U	U
Dimethyl phthalate	--	--	U	U	U
2,6-Dinitrotoluene	--	--	U	U	U
Acenaphthylene	100,000	107,000	U	U	51 J
3-Nitroaniline	--	--	U	U	U
Acenaphthene	100,000	98,000	U	U	U
2,4-Dinitrophenol	--	--	U	U	U
4-Nitrophenol	--	--	U	U	U
Dibenzofuran	59,000	210,000	U	U	U
2,4-Dinitrotoluene	--	--	U	U	U
Diethyl phthalate	--	--	U	U	U
Fluorene	100,000	386,000	U	U	U
4-Chlorophenylphenyl ether	--	--	U	U	U
4-Nitroaniline	--	--	U	U	U
4,6-Dinitro-2-methylphenol	--	--	U	U	U
N-Nitrosodiphenylamine	--	--	U	U	U
4-Bromophenyl-phenylether	--	--	U	U	U
Hexachlorobenzene	1,200	3,200	U	U	U
Atrazine	--	--	U	U	U
Pentachlorophenol	6,700	800	U	U	U
Phenanthrene	100,000	1,000,000	U	U	45 J
Anthracene	100,000	1,000,000	U	U	U
Carbazole	--	--	U	U	U
Di-n-butyl phthalate	--	--	U	U	U
Fluoranthene	100,000	1,000,000	U	120 J	130 J
Pyrene	100,000	1,000,000	U	200 J	140 J

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-34 (0-2) 11/18/2010	D-P-34 (2-4) 11/18/2010	D-P-34 (4-6) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's				
Butyl benzyl phthalate	--	--		U	U	U
3,3-Dichlorobenzidine	--	--		U	U	U
Benzo(a)anthracene	1,000	1,000		U	100 J	76 J
Chrysene	3,900	1,000		U	110 J	100 J
Bis(2-ethylhexyl)phthalate (BEHP)	--	--		U	U	110 J
Di-n-octyl phthalate	--	--		U	U	U
Benzo(b)fluoranthene	1,000	1,700		U	100 J	100 J
Benzo(k)fluoranthene	3,900	1,700		U	U	49 J
Benzo(a)pyrene	1,000	22,000		U	75 J	87 J
Indeno(1,2,3-cd)pyrene	500	8,200		U	48 J	44 J
Dibenzo(a,h)anthracene	330	1,000,000		U	U	U
Benzo(ghi)perylene	100,000	1,000,000		U	60 J	61 J
Total Target SVOCs				0	813	993
Total Tentatively Identified SVOCs				0	390	1,547
Total SVOCs				0	1,203	2,540
Total Petroleum						
Hydrocarbons (TPH)	100,000*	--		1,900,000	73,000	390,000

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL,
value estimated

D Result taken from reanalysis at a secondary dilution

-- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in ug/kg	Sample ID Date Collected		D-P-34 (6-8) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's	
Benzaldehyde	--	--	U
Phenol	100,000	330	U
Bis(2-chloroethyl)ether	--	--	U
2-Chlorophenol	--	--	U
2-Methylphenol	100,000	330	U
Acetophenone	--	--	U
4-Methylphenol	100,000	330	U
N-Nitroso-di-n-propylamine	--	--	U
Hexachloroethane	--	--	U
Nitrobenzene	--	--	U
Isophorone	--	--	U
2-Nitrophenol	--	--	U
2,4-Dimethylphenol	--	--	U
Bis(2-chloroethoxy)methane	--	--	U
2,4-Dichlorophenol	--	--	U
Naphthalene	100,000	12,000	U
4-Chloroaniline	--	--	U
Hexachlorobutadiene	--	--	U
Caprolactam	--	--	U
4-Chloro-3-methylphenol	--	--	U
2-Methylnaphthalene	--	--	890
Hexachlorocyclopentadiene	--	--	U
2,4,6-Trichlorophenol	--	--	U
2,4,5-Trichlorophenol	--	--	U
1,1- Biphenyl	--	--	U
2-Chloronaphthalene	--	--	U
2-Nitroaniline	--	--	U
Dimethyl phthalate	--	--	U
2,6-Dinitrotoluene	--	--	U
Acenaphthylene	100,000	107,000	U
3-Nitroaniline	--	--	U
Acenaphthene	100,000	98,000	U
2,4-Dinitrophenol	--	--	U
4-Nitrophenol	--	--	U
Dibenzofuran	59,000	210,000	190
2,4-Dinitrotoluene	--	--	U
Diethyl phthalate	--	--	U
Fluorene	100,000	386,000	U
4-Chlorophenylphenyl ether	--	--	U
4-Nitroaniline	--	--	U
4,6-Dinitro-2-methylphenol	--	--	U
N-Nitrosodiphenylamine	--	--	U
4-Bromophenyl-phenylether	--	--	U
Hexachlorobenzene	1,200	3,200	U
Atrazine	--	--	U
Pentachlorophenol	6,700	800	U
Phenanthrene	100,000	1,000,000	730 U
Anthracene	100,000	1,000,000	96 J
Carbazole	--	--	U
Di-n-butyl phthalate	--	--	U
Fluoranthene	100,000	1,000,000	72 J
Pyrene	100,000	1,000,000	160 J

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CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-34 (6-8) 11/18/2010
	Part 375 Restricted- Residential SCO's	Part 375 Protection of Groundwater SCO's		
Butyl benzyl phthalate	--	--		U
3,3-Dichlorobenzidine	--	--		U
Benzo(a)anthracene	1,000	1,000		55 J
Chrysene	3,900	1,000		68 J
Bis(2-ethylhexyl)phthalate (BEHP)	--	--		60 J
Di-n-octyl phthalate	--	--		U
Benzo(b)fluoranthene	1,000	1,700		U
Benzo(k)fluoranthene	3,900	1,700		U
Benzo(a)pyrene	1,000	22,000		U
Indeno(1,2,3-cd)pyrene	500	8,200		U
Dibenzo(a,h)anthracene	330	1,000,000		U
Benzo(ghi)perylene	100,000	1,000,000		U
Total Target SVOCs				2,321
Total Tentatively Identified SVOCs				48,490
Total SVOCs				50,811
Total Petroleum				
Hydrocarbons (TPH)	100,000*	--		<u>860,000</u>

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected
 J Compound detected at a concentration below the CRDL,
 value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in mg/kg	Sample ID Date Collected		D-P-17 (0-2) 11/22/2010	D-P-17 (2-4) 11/22/2010	D-P-17 (4-6) 11/22/2010	D-P-17 (6-8) 11/22/2010	D-P-18 (0-2) 11/22/2010	D-P-18 (2-4) 11/22/2010
	Part 375 Protection of Groundwater SCO's	Part 375 Restricted Residential SCO's						
Aluminum	--	--	2,800	3,200	3,500	4,400	2,400	2,300
Antimony	--	--	390	0.84 J	160	11	290	13
Arsenic	16	16	13	1.9	11	3.2	22	21
Barium	820	400	65	20	36	23 J	57	51
Beryllium	47	72	0.1 J	0.12 J	0.17 J	0.18 J	0.080 J	0.051 J
Cadmium	7.5	4.3	0.46 J	0.099 J	0.26 J	0.087 J	0.21 J	0.16 J
Calcium	--	--	1,900	630	1,100	760	1,100	1,300
Chromium	--	180	11	8.2	8.8	10	6.8	7.9
Cobalt	--	--	2.6 J	1.7 J	2.3 J	2.2 J	2.3 J	1.5 J
Copper	1,720	270	29	14	37	25	23	43
Iron	--	--	23,000	5,500	12,000	7,600	11,000	15,000
Lead	450	400	68	17	47	20	83	360
Magnesium	--	--	770	1,000	760	970	560	670
Manganese	2,000	2,000	120	39	65	52	100	53
Mercury	0.73	0.81	0.072 J	0.012 J	0.18	0.048 J	0.38	0.13
Nickel	130	310	4.9	3.8	4.8	4.7 J	8.8	3.5
Potassium	--	--	540	570	400	440 J	310 J	530
Selenium	4	180	3.6	0.54 J	2.1	U	3.7	1.6 J
Silver	8.3	180	1.2 B	0.1 BJ	0.61 BJ	0.11 BJ	1.1 B	2.2 B
Sodium	--	--	420 J	200 J	260 J	140 J	320 J	370
Thallium	--	--	0.96 J	U	0.19 J	U	U	0.62 J
Vanadium	--	--	9.6	7.9	9.4	11	7.7	11
Zinc	2,480	10,000	59	20	52	22	32	15
Cyanide	40	27	n/a	n/a	n/a	n/a	n/a	n/a

mg/kg Milligram per kilogram
 U Constituent analyzed for, but not detected
 J Constituent detected at a concentration below the CRDL, value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available
 n/a Sample not analyzed for constituent

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in mg/kg	Sample ID Date Collected		D-P-18 (4-6) 11/22/2010	D-P-18 (6-8) 11/22/2010	D-P-19 (0-2) 11/22/2010	D-P-19 (2-4) 11/22/2010	D-P-19 (4-6) 11/22/2010	D-P-19 (6-8) 11/22/2010
	Part 375 Protection of Groundwater SCO's	Part 375 Restricted Residential SCO's						
Aluminum	--	--	7,700	2,800	3,300	6,700	4,600	6,300
Antimony	--	--	29	1.5 J	10	0.64 J	0.75 J	3.8 J
Arsenic	16	16	4.0	1.3	3.3	3.3	5.5	4.0
Barium	820	400	19	7.5 J	21	42	26	28
Beryllium	47	72	0.22 J	0.099 J	0.089 J	0.30 J	0.35 J	0.34 J
Cadmium	7.5	4.3	0.088 J	0.11 J	0.13 J	0.66	0.16 J	0.22 J
Calcium	--	--	700	360 J	1,200	1,400	1,600	2,000
Chromium	--	180	13	6.1	9.5	13	9.4	12
Cobalt	--	--	2.1 J	1.9 J	2.5 J	2.7 J	9	5.4
Copper	1,720	270	78	72	17	12	12	14
Iron	--	--	10,000	3,200	6,600	10,000	12,000	13,000
Lead	450	400	13	3.6	20	10	21	32
Magnesium	--	--	1,200	620	990	1,200	850	1,600
Manganese	2,000	2,000	56	25	77	83	180	180
Mercury	0.73	0.81	0.014 J	0.013 J	0.052 J	0.029 J	0.12 J	0.42
Nickel	130	310	6.1	3.7	3.6	7.1	6.2	7.9
Potassium	--	--	600	260 J	210	470 J	390 J	620
Selenium	4	180	1.1 J	U	0.73 J	1.3 J	1.6 J	1.4 J
Silver	8.3	180	0.18 BJ	0.066 BJ	0.18 BJ	0.069 BJ	0.32 BJ	0.24 BJ
Sodium	--	--	44 J	15 J	76 J	39 J	72 J	140 J
Thallium	--	--	U	U	U	U	0.18 J	U
Vanadium	--	--	16	4.9	9	17	13	15
Zinc	2,480	10,000	21	24	52	110	40	54
Cyanide	40	27	n/a	n/a	n/a	n/a	n/a	n/a

mg/kg Milligram per kilogram
 U Constituent analyzed for, but not detected
 J Constituent detected at a concentration below the CRDL, value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available
 n/a Sample not analyzed for constituent

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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	Part 375 Protection of Groundwater SCO's	Part 375 Restricted Residential SCO's											
Aluminum	--	--		3000	2770	2270	2500	6650	2400	1790	2900	3100	4960
Antimony	--	--		197	51.8	608	683	2.8 J	233	78.4	3.0 J	1.9 J	8.1
Arsenic	16	16		113	4.8	18.4	17.8			6.5	4.7	2.7	11.4
Barium	820	400		32	23.2	42.9	46.7	40.9	48.4	21.2	23	36	19.7
Beryllium	47	72		0.16 J	0.14 J	0.11 J	0.12 J	0.37 J	0.14 J	0.14 J	0.13 J	0.15 J	0.26 J
Cadmium	7.5	4.3		0.089 J	0.12 J	U	U	U	0.25 J	1.3	0.24 J	0.24 J	0.087 J
Calcium	--	--		9780	22300	4380	1830	6380	8320	6140	20000	2500	6540
Chromium	--	180		11.5	12.2	9.4	7.5	16.1	8.8	11.8	6.5	6.1	11.4
Cobalt	--	--		2.4 J	2 J	1.8 J	2.1 J	6.6	2.5 J	2.6 J	2.3 J	2.7 J	10.7
Copper	1,720	270		20.4	12.4	20	21.2	29.4	24.7	25.1	12	29	18.5
Iron	--	--		7910	5810	11600	11900	17100	10900	11300	6000	5700	14700
Lead	450	400		42.2	30.9	59.3	55.8	46.6	85.9	86.9	24	20	24.4
Magnesium	--	--		1530	1940	1200	734	5200	3180	2000	3500	1200	4420
Manganese	2,000	2,000		94.3	85.9	91.3	102	105	187	114	100	77	80.8
Mercury	0.73	0.81		0.2	0.1	0.38	0.19	0.23 J	1.1	0.16	0.048 J	0.028 J	0.083 J
Nickel	130	310		6.7	6.1	4.3	3.5	25.3	7.1	6.6	6.2	6.0	19.5
Potassium	--	--		389	350 J	363 J	409	981	312 J	219 J	260 J	340 J	582
Selenium	4	180		1.8 J	1.7 J	4.2	3.3	1.7 J	1.8 J	1.6 J	1.0 J	0.82 J	0.88 J
Silver	8.3	180		1.4	1.6	1	1	0.34 J	0.35 J	0.24 J	0.14 BJ	0.14 BJ	0.4 J
Sodium	--	--		119	71 J	592	645	50.2 J	980	40.6 J	99 J	53 J	89.6 J
Thallium	--	--		U	U	U	U	U	U	U	U	U	U
Vanadium	--	--		7.8	7.3	7.7	8.6	15.6	9.8	10.7	14	8.8	11.6
Zinc	2,480	10,000		28.6	27.2	20.5	23	57.3	39.9	30.9	29	30	51.7
Cyanide	40	27		U	n/a	n/a	U	U	n/a	U	U	n/a	n/a

mg/kg Milligram per kilogram
 U Constituent analyzed for, but not detected
 J Constituent detected at a concentration below the CRDL, value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available
 n/a Sample not analyzed for constituent
Exceeds Action Level

Notes:
 *TPH SCO is the maximum value for total organics

mg/kg Milligram per kilogram
 U Constituent analyzed for, but not detected
 J Constituent detected at a concentration below
 D Result taken from reanalysis at a secondary di
 -- Not available
 n/a Sample not analyzed for constituent
Exceeds Action Level

Notes:
 *TPH SCO is the maximum value for total organics

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	Part 375 Protection of Groundwater SCO's	Part 375 Restricted Residential SCO's				
Aluminum	--	--	3260	4620	3900	2520
Antimony	--	--	3.5 J	0.79 J	1.9 J	0.54 J
Arsenic	16	16	4	4.3	5.9	2.1
Barium	820	400	26.5	21.2	27.9	10.2 J
Beryllium	47	72	0.17 J	0.25 J	0.15 J	0.14 J
Cadmium	7.5	4.3	0.1 J	0.066 J	0.21 J	0.042 J
Calcium	--	--	45000	7930	5980	728
Chromium	--	180	14.7	11	11.9	10
Cobalt	--	--	2.2 J	5.4	3.0 J	2.4
Copper	1,720	270	10	20.3	12.3	5.2
Iron	--	--	6610	14100	9790	9540
Lead	450	400	23.1	21.4	20.2	3.1
Magnesium	--	--	6700	4760	3340	335 J
Manganese	2,000	2,000	109	90.6	106	38.6
Mercury	0.73	0.81	0.37 J	0.01 J	0.030	U
Nickel	130	310	9	15.6	5.6	3.5 J
Potassium	--	--	375 J	581	503	332 J
Selenium	4	180	U	0.87 J	0.94	U
Silver	8.3	180	0.58 J	0.25 J	0.22	0.13 J
Sodium	--	--	170 J	92.8 J	56.3	30.9 J
Thallium	--	--	U	0.26 J	2.6 U	U
Vanadium	--	--	8.2	10.6	13.7	10.9
Zinc	2,480	10,000	28.2	49.8	39.7	10.2
Cyanide	40	27	n/a	n/a	n/a	n/a

the CRDL, value estimated
 dilution

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CONSTITUENT in mg/kg	Sample ID Date Collected		D-P-26 (4-6) 11/18/2010	D-P-26 (6-8) 11/18/2010	D-P-27 (0-2) 11/18/2010	D-P-27 (2-4) 11/18/2010	D-P-27 (4-6) 11/18/2010	D-P-27 (6-8) 11/18/2010	D-P-28 (0-2) 11/23/2010
	Part 375 Protection of Groundwater SCO's	Part 375 Restricted Residential SCO's							
Aluminum	--	--	3250	2280	3800	2570	3330	3720	1900
Antimony	--	--	0.39 J	0.57 J	2.0 J	2.0 J	0.78 J	0.66 J	24
Arsenic	16	16	1.9	9.0	4.4	2.7	3.0	3.3	12
Barium	820	400	13.1 J	9.8 J	27.7	16.5 J	20.3 J	19.4	22
Beryllium	47	72	0.16 J	0.091 J	0.17 J	0.12 J	0.15 J	0.16 J	0.090 J
Cadmium	7.5	4.3	0.073 J	0.10	0.078 J	0.052 J	0.11 J	0.077 J	0.78
Calcium	--	--	1110	967	1200	783	1280	1250	17000
Chromium	--	180	11.6	9.2	8.7	6.7	7.0	8.2	16
Cobalt	--	--	1.4 J	1.5 J	2.5 J	1.6 J	3.4 J	2.1 J	4.8
Copper	1,720	270	9.9	9.1	13.3	6.2	10	7.3	33
Iron	--	--	13700	11900	10200	6180	9870	10000	8200
Lead	450	400	3.9	3.3	23.4	17.5	93.6	31.3	97
Magnesium	--	--	231 J	262 J	971	700	850	1080	7600
Manganese	2,000	2,000	54.7	27.3	64.5	38.2	138	78.5	91
Mercury	0.73	0.81	0.025 J	0.017 J	0.045 J	0.15	0.083 J	0.094 J	0.31
Nickel	130	310	3.1 J	2.5 J	5.0	3.2 J	4.5 J	4.3	8.7
Potassium	--	--	409 J	284 J	431 J	353 J	374 J	545	250 J
Selenium	4	180	0.79 J	0.79 J	1.1 J	U	U	0.71 J	1.7 J
Silver	8.3	180	0.19 J	0.28 J	0.36 J	0.18 J	0.30 J	0.23 J	0.78 B
Sodium	--	--	38.0 J	31.4 J	77.0 J	43.6 J	60.2 J	56.5 J	76 J
Thallium	--	--	0.57 J	0.41 J	0.46 J	U	U	0.26 J	U
Vanadium	--	--	16.6	12.1	11.3	7.5	10.5	11.6	9.2
Zinc	2,480	10,000	9.7	8.9	31.5	26.6	29.6	18.0	70
Cyanide	40	27	n/a						

mg/kg

Milligram per kilogram

U

Constituent analyzed for, but not detected

J

Constituent detected at a concentration below the CRDL, value estimated

D

Result taken from reanalysis at a secondary dilution

--

Not available

n/a

Sample not analyzed for constituent

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in mg/kg	Sample ID Date Collected		D-P-29 (0-2) 11/23/2010	D-P-30 (0-2) 11/18/2010	D-P-31 (0-2) 11/18/2010	D-P-31 (2-4) 11/18/2010	D-P-31 (4-6) 11/18/2010	D-P-31 (6-8) 11/18/2010	D-P-32 (0-2) 11/22/2010
	Part 375 Protection of Groundwater SCO's	Part 375 Restricted Residential SCO's							
Aluminum	--	--	3200	2850	3610	2740	2880	6330	1500
Antimony	--	--	0.73 J	5.8	13.4	16.9	1.8 J	U	4.5 J
Arsenic	16	16	1.6	5.2	6.4	25.3	20.3	15.3	8.1
Barium	820	400	11 J	24.8	32.6	30.1	23.8	25.0	33
Beryllium	47	72	0.067 J	0.11 J	0.18 J	0.16 J	0.074 J	0.27 J	0.072 J
Cadmium	7.5	4.3	0.15 J	0.51	2.7	2.2	0.58	0.26 J	1.1
Calcium	--	--	22000	10900	23200	26800	695	1690	3000
Chromium	--	180	10	16.9	11.5	22.3	9.6	12.0	10
Cobalt	--	--	3.8	11.4	5.8	8.6	6.1	17.4	4.7
Copper	1,720	270	23	31.0	30.5	41.7	29.9	9.4	83
Iron	--	--	8100	7170	11000	11800	4780	10700	12000
Lead	450	400	43	58.1	40.3	94.6	34.3	13.5	77
Magnesium	--	--	10000	4090	9320	14500	848	1720	1200
Manganese	2,000	2,000	100	96.8	120	134	48.4	152	130
Mercury	0.73	0.81	U	0.075 J	0.34	0.17	0.033 J	0.033 J	0.20
Nickel	130	310	6.4	10.5	15.3	16.5	12.0	13.7	9.5
Potassium	--	--	350 J	293 J	423	334 J	551	937	160 J
Selenium	4	180	U	2.0 J	1.4 J	3.0	2.9 J	1.5 J	2.6 J
Silver	8.3	180	0.15 BJ	0.82	0.48 J	0.98	0.51 J	0.16 J	1.3 B
Sodium	--	--	410	112 J	66.2 J	123 J	424 J	420 J	38 J
Thallium	--	--	U	U	U	U	U	U	U
Vanadium	--	--	42	13.8	10.1	10.1	6.3	15.0	5.0
Zinc	2,480	10,000	18	41.0	94.5	121	45.5	341	85
Cyanide	40	27	n/a	U	n/a	n/a	n/a	n/a	U

mg/kg

Milligram per kilogram

U

Constituent analyzed for, but not detected

J

Constituent detected at a concentration below the CRDL, value estimated

D

Result taken from reanalysis at a secondary dilution

--

Not available

n/a

Sample not analyzed for constituent

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in mg/kg	Sample ID Date Collected	D-P-32 (2-4) 11/22/2010	D-P-32 (4-6) 11/23/2010	D-P-33 (0-2) 11/18/2010	D-P-33 (2-4) 11/18/2010	D-P-33 (4-6) 11/18/2010	D-P-34 (0-2) 11/18/2010	D-P-34 (2-4) 11/18/2010
	Part 375 Protection of Groundwater SCO's	Part 375 Restricted Residential SCO's						
Aluminum	--	--	1500	640	1910	3920	3580	598
Antimony	--	--	5.3 J	1.8 J	1.6 J	83.9	51.5	16.0
Arsenic	16	16	8.2	2.4	2.9	28.6	32.1	42.0
Barium	820	400	15 J	6.3 J	12.5 J	27.3	29.9	7.8 J
Beryllium	47	72	0.10 J	0.076 J	0.098 J	0.11 J	0.22 J	0.016 J
Cadmium	7.5	4.3	0.64	0.21 J	0.15 J	2.4	1.5	0.44
Calcium	--	--	17000	510	7410	2060	16300	903
Chromium	--	180	4.4	2.6	7.5	12.2	6.1	2.4
Cobalt	--	--	12	1.7 J	4.6	18.5	17.1	2.7 J
Copper	1,720	270	23	6.8	16.1	35.3	111	14.2
Iron	--	--	3900	1600	5770	9220	5190	5970
Lead	450	400	28	7.2	29.1	21.1	23.9	24.0
Magnesium	--	--	8600	200 J	3320	1560	8730	305 J
Manganese	2,000	2,000	88	.21	156	70.2	57.7	38.6
Mercury	0.73	0.81	0.075 J	0.012 J	0.025 J	0.15	0.16	1.3
Nickel	130	310	7.7	2.8 J	8.4	30.2	30.5	5.9
Potassium	--	--	210 J	67 J	267 J	880	344 J	39.9 J
Selenium	4	180	2.1 J	0.47 J	1.1 J	4.6	6.1	3.3
Silver	8.3	180	0.70 BJ	0.19 BJ	0.23 J	0.42 J	0.57 J	1.1
Sodium	--	--	44 J	15 J	122 J	67.0 J	57.4 J	26.5 J
Thallium	--	--	U	U	U	U	U	U
Vanadium	--	--	6.3	2.3 J	32.4	17.1	9	2.9 J
Zinc	2,480	10,000	44	12	18.1	275	244	59.0
Cyanide	40	27	n/a	U	U	U	n/a	n/a

mg/kg

Milligram per kilogram

U

Constituent analyzed for, but not detected

J

Constituent detected at a concentration below the CRDL, value estimated

D

Result taken from reanalysis at a secondary dilution

--

Not available

n/a

Sample not analyzed for constituent

Exceeds Action Level

Notes:

*TPH SCO is the maximum value for total organics

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CONSTITUENT in mg/kg	Sample ID		D-P-34 (4-6) 11/18/2010	D-P-34 (6-8) 11/18/2010
	Part 375 Protection of Groundwater SCO's	Part 375 Restricted Residential SCO's		
Aluminum	--	--	8730	3110
Antimony	--	--	0.61 J	0.38 J
Arsenic	16	16	4.8	2.6
Barium	820	400	29.7	10.8 J
Beryllium	47	72	0.23 J	0.15 J
Cadmium	7.5	4.3	0.14 J	0.094 J
Calcium	--	--	1850	856
Chromium	--	180	15.4	11.7
Cobalt	--	--	5.8	3.1 J
Copper	1,720	270	10.3	8.8
Iron	--	--	16100	11700
Lead	450	400	9.0	4.2
Magnesium	--	--	1670	301 J
Manganese	2,000	2,000	177	30.8
Mercury	0.73	0.81	0.029 J	0.013 J
Nickel	130	310	8.1	4.2
Potassium	--	--	502	362 J
Selenium	4	180	1.3 J	0.60 J
Silver	8.3	180	0.35 J	0.22 J
Sodium	--	--	68.0 J	94.4 J
Thallium	--	--	0.21 J	0.38 J
Vanadium	--	--	21.2	13.9
Zinc	2,480	10,000	27.6	14.7
Cyanide	40	27	n/a	n/a

mg/kg Milligram per kilogram
 U Constituent analyzed for, but not detected
 J Constituent detected at a concentration below the CRDL, value estimated
 D Result taken from reanalysis at a secondary dilution
 -- Not available
 n/a Sample not analyzed for constituent

Exceeds Action Level

Pre-Design Investigation
Glen Cove Industrial Development Agency
Doxeys Site
Glen Cove, NY
Soil Sample Results
Pesticides and PCBs

CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-20 (0-2) 11/19/2010	D-P-20 (6-8) 11/19/2010	D-P-21 (0-2) 11/19/2010	D-P-21 (4-6) 11/19/2010	D-P-22 (0-2) 11/23/2010	D-P-30 (0-2) 11/18/2010	D-P-32 (0-2) 11/23/2010
	Part 375 Protection of Groundwater SCO's	Part 375 Restricted- Residential SCO's								
Pesticides										
alpha-BHC	20	480		U	U	U	U	U	U	
beta-BHC	90	360		U	U	U	U	U	U	
delta-BHC	250	100,000		U	U	U	U	U	U	
Lindane	100	1,300		U	U	U	U	U	U	
Heptachlor	380	2,100		U	U	U	U	U	U	
Aldrin	190	97		U	U	U	U	U	U	
Heptachlor epoxide	--	--		U	U	U	U	U	U	
Endosulfan I	102,000	24,000		U	U	U	U	U	U	
Dieldrin	100	200		U	U	U	U	U	U	
4,4-DDE	17,000	8,900		U	U	U	6.5 P	5 P	U	
Endrin	60	11,000		U	U	U	U	U	U	
Endosulfan II	102,000	24,000		U	U	U	U	U	U	
4,4-DDD	14,000	13,000		U	U	U	6.9 P	19	7.7 P	
Endosulfan sulfate	1,000,000	24,000		U	U	U	U	12 P	23 P	
4,4-DDT	136,000	7,900		U	U	U	U	5.4 P	U	
Methoxychlor	--	--		U	U	U	U	U	U	
Endrin ketone	--	--		U	U	U	U	6.4 P	28	
Endrin aldehyde	--	--		U	U	U	3.7 P	7.1 P	8.2 P	
alpha-Chlordane	2,900	4,200		U	U	U	U	11	2.1 P	
gamma-Chlordane	2,900	4,200		U	U	U	7.4 P	13 P	4.6 P	
Toxaphene	--	--		U	U	U	U	U	4.5 P	
Total PCBs	3,200	1,000		0	0	0	0	0	0	

ug/kg

Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL, value estimated

P Greater than 25% difference between primary and confirmatory columns; lower concentration reported.

-- Not available

Exceeds Action Level

Pre-Design Investigation
Glen Cove Industrial Development Agency
Doxeys Site
Glen Cove, NY
Soil Sample Results
Pesticides and PCBs

CONSTITUENT in ug/kg			Sample ID Date Collected	D-P-32 (4-6) 11/23/2010	D-P-33 (0-2) 11/18/2010	D-P-33 (2-4) 11/18/2010
	Part 375 Protection of Groundwater SCO's	Part 375 Restricted- Residential SCO's				
Pesticides						
alpha-BHC	20	480		U	U	U
beta-BHC	90	360		U	U	U
delta-BHC	250	100,000		U	U	U
Lindane	100	1,300		U	U	U
Heptachlor	380	2,100		U	U	U
Aldrin	190	97		U	U	U
Heptachlor epoxide	--	--		U	U	U
Endosulfan I	102,000	24,000		U	U	U
Dieldrin	100	200		U	U	U
4,4-DDE	17,000	8,900		U	U	U
Endrin	60	11,000		U	U	U
Endosulfan II	102,000	24,000		U	U	U
4,4-DDD	14,000	13,000		U	U	U
Endosulfan sulfate	1,000,000	24,000		U	U	U
4,4-DDT	136,000	7,900		U	U	U
Methoxychlor	--	--		U	U	U
Endrin ketone	--	--		U	U	5.7 P
Endrin aldehyde	--	--		U	U	U
alpha-Chlordane	2,900	4,200		U	U	U
gamma-Chlordane	2,900	4,200		U	U	U
Toxaphene	--	--		U	U	U
PCBs						
Aroclor 1016	3,200	1,000		U	U	U
Aroclor 1221	3,200	1,000		U	U	U
Aroclor 1232	3,200	1,000		U	U	U
Aroclor 1242	3,200	1,000		U	U	U
Aroclor 1248	3,200	1,000		U	U	U
Aroclor 1254	3,200	1,000		U	U	U
Aroclor 1260	3,200	1,000		U	U	U
Total PCBs	3,200	1,000	0	0	0	

ug/kg Microgram per kilogram

U Compound analyzed for, but not detected

J Compound detected at a concentration below the CRDL, value estimated

P Greater than 25% difference between primary and confirmatory columns; lower concentration reported

-- Not available

Exceeds Action Level

Pre-Design Investigation
 Glen Cove Industrial Development Agency
 Doxeys Site
 Glen Cove, New York
 Composite Soil Samples Results
 TCLP Metals, TCLP SVOCs, TPH, Reactivity and pH

CONSTITUENT in ug/l	Sample ID Date Collected	D-P-C (0-2) 11/23/2010	D-P-C (2-4) 11/23/2010	D-P-C (4-6) 11/23/2010	D-P-C (6-8) 11/23/2010
	Regulatory Levels				
<u>TCLP Metals</u>					
Arsenic	5,000	U	4.6 J	13.5 J	U
Barium	100,000	481	418	276	204
Cadmium	1,000	7.7	11.4	10.3	2.3 J
Chromium	5,000	31.9	6.2 J	11.4 J	3.1 J
Lead	5,000	59.9	287	86.1	25.6
Mercury	200	U	U	U	U
Selenium	1,000	U	U	U	U
Silver	5,000	U	U	U	U
<u>TCLP Semivolatile Compounds</u>					
1,4- Dichlorobenzene	7.5	U	U	U	U
2-Methylphenol	200	U	U	U	U
4-Methylphenol	200	U	U	U	U
Hexachloroethane	3	U	U	U	U
Nitrobenzene	2	U	U	U	U
Hexachlorobutadiene	0.5	U	U	U	U
2,4,6- Trichlorophenol	2	U	U	U	U
2,4,5- Trichlorophenol	400	U	U	U	U
2,4- Dinitrotoluene	0.13	U	U	U	U
Hexachlorobenzene	0.13	U	U	U	U
Pentachlorophenol	100	U	U	U	U
Pyridine	5	U	U	U	U
TPH in mg/kg	--	1,700	3,500	1,100	4,000
pH	--	7.0	6.7	6.7	6.6
Reactive Sulfide in mg/kg	250	1.3	5.4	7.2	12
Reactive Cyanide in mg/kg	0.2	U	U	U	U

ug/l Microgram per liter

mg/kg Milligram per kilogram

U Constituent analyzed for, but not detected

J Constituent detected at a concentration below the CRDL,
value estimated

-- Not available

Dvirka and Bartilucci
CONSULTING ENGINEERS

ATTACHMENT B

**BUDGETARY REMEDIAL CONSTRUCTION
COST ESTIMATE**

DOXEY SITE
GLEN COVE, NEW YORK
BUDGETARY CONSTRUCTION COST ESTIMATE

ITEM DESCRIPTION	ESTIMATED COST	ESTIMATED COST "Non-Hazardous Petroleum Waste"	Clean-up Costs	ESTIMATED COST "Non-Hazardous Petroleum Waste"
				Clean-up Costs
Ancillary Costs ⁽¹⁾	\$175,000	\$50,000		\$125,000
Demolition and Removals	\$400,000	\$300,000		\$100,000
Excavation of Non-Hazardous Soils	\$110,000	\$45,000		\$65,000
Excavation Endpoint Sampling	\$60,000	\$25,000		\$35,000
Transportation and Disposal of Non-Hazardous Soils	\$525,000	\$210,000		\$315,000
Demarcation Layer	\$25,000	\$10,000		\$15,000
Backfill and Compaction	\$160,000	\$85,000		\$95,000
Site Restoration	\$65,000	\$25,000		\$40,000
Subtotal =	\$1,520,000	\$730,000		\$790,000
Contingency Allowance (10%)	\$152,000	\$73,000		\$79,000
Engineering Fees - Remedial Design, Construction Administration and Oversight (2)	\$320,000	\$130,000		\$190,000
Budgetary Capital Cost =	\$1,992,000	\$933,000		\$1,059,000

NOTES:

- Includes General Conditions (e.g., Mobilization/Demobilization, Temporary Facilities [Trailer, Services, etc.], Bonds and Insurances, Contractor Project Management and Superintendent, Project Meetings, Subcontractor Coordination, Scheduling), Health and Safety, and Soil Erosion and Sediment Control. Assumes a Construction Contract Period of 9-Months with a 6/2011 midpoint of construction.
- Engineering fees include costs for completion of pre-design investigations, contract document preparation, pre-award services and construction management. It should be noted that the engineering fees are approximate estimates based on current available information and may be subject to change based on final configuration of site-specific remedial design.
- Construction costs provided assume NYS Department of Labor Prevailing Wage Rates, include overhead and profit and are based on a Single Prime Contract.